

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030124\
 Data File : VX040551.D
 Acq On : 01 Mar 2024 16:36
 Operator : JC/MD
 Sample : VX0301WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2024
 Supervised By : Mahesh Dadoda 03/04/2024

Quant Time: Mar 01 23:18:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.549	168	99604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163069	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85849	51.532	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.060%			
35) Dibromofluoromethane	5.379	113	59550	52.515	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.020%			
50) Toluene-d8	8.646	98	209726	50.952	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	47.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20159	16.263	ug/l	99
3) Chloromethane	1.294	50	18974	15.432	ug/l	92
4) Vinyl Chloride	1.373	62	20787	15.635	ug/l	99
5) Bromomethane	1.605	94	13656	18.483	ug/l	91
6) Chloroethane	1.684	64	11881	14.120	ug/l	97
7) Trichlorofluoromethane	1.885	101	31916	15.199	ug/l	95
8) Diethyl Ether	2.129	74	10327	14.070	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.324	101	16599	14.685	ug/l	95
10) Methyl Iodide	2.452	142	17148	17.026	ug/l	97
11) Tert butyl alcohol	2.952	59	23205	82.859	ug/l #	90
12) 1,1-Dichloroethene	2.318	96	14603	12.868	ug/l	94
13) Acrolein	2.233	56	9282	51.696	ug/l	99
14) Allyl chloride	2.660	41	27705	13.955	ug/l	93
15) Acrylonitrile	3.062	53	54353	77.372	ug/l	98
16) Acetone	2.373	43	56883	104.701	ug/l	98
17) Carbon Disulfide	2.507	76	36265	11.540	ug/l	98
18) Methyl Acetate	2.696	43	27775	16.583	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	64061	16.550	ug/l	97
20) Methylene Chloride	2.788	84	20831	16.022	ug/l	89
21) trans-1,2-Dichloroethene	3.092	96	18157	15.003	ug/l	94
22) Diisopropyl ether	3.757	45	64067	16.058	ug/l	98
23) Vinyl Acetate	3.720	43	294514	80.586	ug/l	100
24) 1,1-Dichloroethane	3.605	63	37342	16.050	ug/l	100
25) 2-Butanone	4.550	43	85716	90.554	ug/l	100
26) 2,2-Dichloropropane	4.476	77	32009	17.280	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	21806	15.401	ug/l	99
28) Bromochloromethane	4.897	49	13940	14.324	ug/l	99
29) Tetrahydrofuran	4.995	42	52633	79.705	ug/l	99
30) Chloroform	5.092	83	40498	16.399	ug/l	96
31) Cyclohexane	5.464	56	28609	15.158	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	35621	16.900	ug/l	98
36) 1,1-Dichloropropene	5.683	75	28243	16.166	ug/l	98
37) Ethyl Acetate	4.708	43	31211	16.323	ug/l #	89
38) Carbon Tetrachloride	5.671	117	29206	17.304	ug/l	98
39) Methylcyclohexane	7.378	83	31047	16.460	ug/l	99
40) Benzene	6.037	78	76187	16.107	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	16550	15.496	ug/l	91
42) 1,2-Dichloroethane	6.086	62	36434	18.610	ug/l	97
43) Isopropyl Acetate	6.336	43	50842	16.946	ug/l	99
44) Trichloroethene	7.122	130	20336	15.986	ug/l	90
45) 1,2-Dichloropropane	7.427	63	20955	16.553	ug/l	100
46) Dibromomethane	7.586	93	15703	16.872	ug/l	98
47) Bromodichloromethane	7.817	83	31559	17.222	ug/l #	95
48) Methyl methacrylate	7.689	41	26497	17.670	ug/l	97
49) 1,4-Dioxane	7.653	88	9287	327.387	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	171487	86.451	ug/l	97
52) Toluene	8.720	92	49005	16.881	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	31555	16.968	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	33970	16.994	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	20842	17.300	ug/l	94
56) Ethyl methacrylate	9.116	69	32262	17.320	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	35597	16.965	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	85926	87.982	ug/l	96
59) 2-Hexanone	9.427	43	138380	90.736	ug/l	96
60) Dibromochloromethane	9.518	129	22942	17.533	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22281	16.949	ug/l	99
64) Tetrachloroethene	9.268	164	19132	17.882	ug/l	95
65) Chlorobenzene	10.079	112	55275	17.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	20185	17.669	ug/l	98
67) Ethyl Benzene	10.195	91	104034	17.533	ug/l	96
68) m/p-Xylenes	10.299	106	75607	34.121	ug/l	93
69) o-Xylene	10.640	106	33332	15.728	ug/l	95
70) Styrene	10.652	104	53985	15.281	ug/l	96
71) Bromoform	10.798	173	14407	15.406	ug/l #	100
73) Isopropylbenzene	10.963	105	90398	15.392	ug/l	98
74) N-amyl acetate	10.841	43	41174	15.095	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	32600	15.349	ug/l	97
76) 1,2,3-Trichloropropane	11.237	75	27141m	15.464	ug/l	
77) Bromobenzene	11.195	156	22568	16.251	ug/l	96
78) n-propylbenzene	11.304	91	117002	16.061	ug/l	97
79) 2-Chlorotoluene	11.359	91	72687	16.575	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	85988	17.216	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	7496	14.922	ug/l	90
82) 4-Chlorotoluene	11.457	91	86770	17.110	ug/l	99
83) tert-Butylbenzene	11.713	119	83258	17.681	ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	86384	17.431	ug/l	99
85) sec-Butylbenzene	11.890	105	108141	17.481	ug/l	99
86) p-Isopropyltoluene	12.006	119	88610	17.377	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	45525	16.447	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	46156	16.380	ug/l	97
89) n-Butylbenzene	12.335	91	86463	17.235	ug/l	96
90) Hexachloroethane	12.536	117	14557	17.153	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	44184	16.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8981	18.138	ug/l	97
93) 1,2,4-Trichlorobenzene	13.584	180	30654	17.807	ug/l	98
94) Hexachlorobutadiene	13.725	225	12955	18.414	ug/l	98
95) Naphthalene	13.773	128	94594	17.195	ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	29874	18.256	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

